ABSTRACT

Apparatus and method for extending a standard-based remote file access protocol and maintaining compatibility with the standard protocol stack. Network file system (NFS) remote procedure calls (RPCs) that are submitted by an NFS client application are intercepted in a manner that is transparent to the client operating system. The intercepted NFS-RPCs are sent to a file interface card. The file interface card includes a processor that executes code that implements the standard NFS-RPC protocol, along with extensions to the standard NFS-RPC protocol. Non-NFS RPCs are sent to a conventional network interface card for processing.